



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 11101313
SAU: Monmouth School Department
School: Monmouth Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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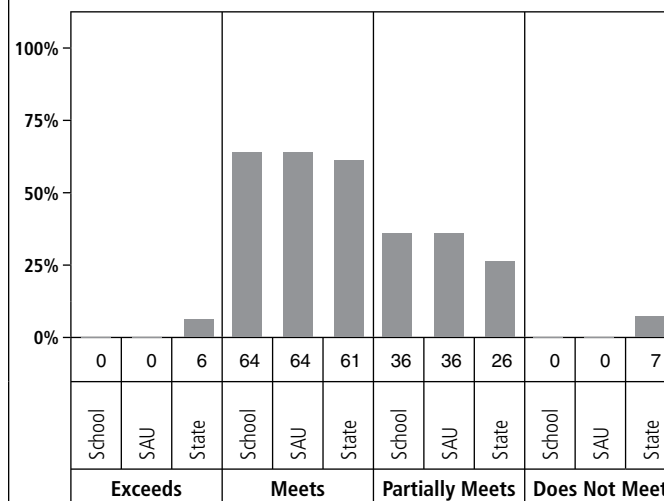
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

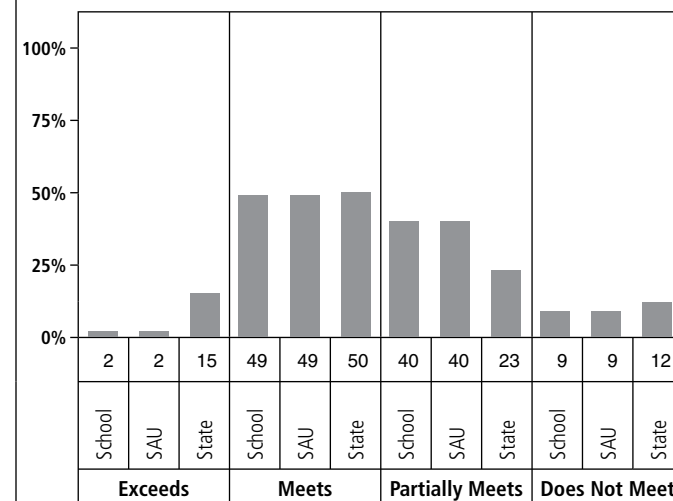
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	544	544	544
2007–2008	542	542	545
2008–2009	546	546	546
Cum. Avg.*	544	544	545
Mathematics			
2006–2007	543	543	546
2007–2008	546	546	546
2008–2009	542	542	547
Cum. Avg.*	544	544	546
Science			
2008–2009 **	543	543	543

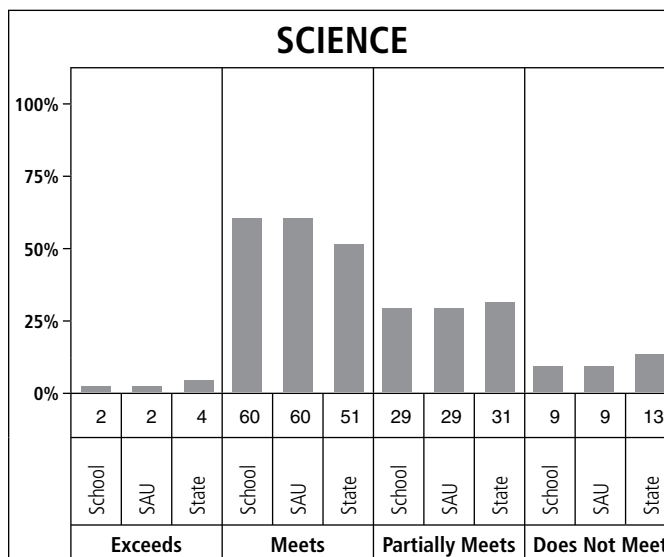
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	45	100	45	100	14212	100	45	100	45	100	14135	100	45	100	45	100	14144	100	45	100	45	100	14137	100
Ethnicity African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	1	2	1	2	175	1	1	100	1	100	172	99	1	100	1	100	172	99	1	100	1	100	173	99
Caucasian/White	44	98	44	98	13271	93	44	100	44	100	13212	100	44	100	44	100	13211	100	44	100	44	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	6	13	6	13	2479	17	6	100	6	100	2454	100	6	100	6	100	2455	100	6	100	6	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	15	33	15	33	5848	41	15	100	15	100	5815	100	15	100	15	100	5819	100	15	100	15	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	39	87	39	87	10849	76	39	87	39	87	10872	76	39	87	39	87	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	2	5	2	5	123	1	2	5	2	5	121	1	2	5	2	5	126	1
Participation with accommodations	6	13	6	13	3122	22	6	13	6	13	3124	22	6	13	6	13	3019	21
Identified disability (PET/IEP)	6	100	6	100	1992	64	6	100	6	100	2000	64	6	100	6	100	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	1	17	1	17	84	3	1	17	1	17	86	3	1	17	1	17	81	3
Other	0	0	0	0	907	29	0	0	0	0	886	28	0	0	0	0	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	1	2	1	2	702	5
	2007-2008	2	3	2	3	659	5
	2008-2009	0	0	0	0	836	6
	Cum. Total*	3	2	3	2	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	37	60	37	60	7730	55
	2007-2008	29	46	29	45	8195	58
	2008-2009	29	64	29	64	8495	61
	Cum. Total*	95	56	95	56	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	15	24	15	24	4182	30
	2007-2008	25	40	26	41	3800	27
	2008-2009	16	36	16	36	3667	26
	Cum. Total*	56	33	57	33	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	9	15	9	15	1419	10
	2007-2008	7	11	7	11	1362	10
	2008-2009	0	0	0	0	973	7
	Cum. Total*	16	9	16	9	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.2	65.0	31.2	65.0	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.4	64.2	15.4	64.2	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	15.8	65.8	15.8	65.8	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Monmouth School Department
 School: Monmouth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	45	0	0	29	64	16	36	0	0	546	45	0	64	36	0	546	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	1										1						166	4	54	32	10	543
Caucasian/White	44	0	0	28	64	16	36	0	0	546	44	0	64	36	0	546	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	6	0	0	4	67	2	33	0	0	542	6	0	67	33	0	542	2290	0	29	47	23	537
No	39	0	0	25	64	14	36	0	0	546	39	0	64	36	0	546	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	45	0	0	29	64	16	36	0	0	546	45	0	64	36	0	546	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	15	0	0	10	67	5	33	0	0	544	15	0	67	33	0	544	5716	2	51	35	12	542
No	30	0	0	19	63	11	37	0	0	547	30	0	63	37	0	547	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	45	0	0	29	64	16	36	0	0	546	45	0	64	36	0	546	13963	6	61	26	7	546
Gender																						
Female	25	0	0	15	60	10	40	0	0	545	25	0	60	40	0	545	6882	8	62	24	6	547
Male	20	0	0	14	70	6	30	0	0	547	20	0	70	30	0	547	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	4	44	5	56	0	0	543	9	0	44	56	0	543	1914	1	41	44	14	540
No	36	0	0	25	69	11	31	0	0	547	36	0	69	31	0	547	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	45	0	0	29	64	16	36	0	0	546	45	0	64	36	0	546	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	100	0	0	0	0	542	2	0	100	0	0	542	4	2	40	34	24	540
B. less than one hour	80	0	0	24	67	12	33	0	0	546	80	0	67	33	0	546	70	6	63	26	6	546
C. one to two hours	18	0	0	4	50	4	50	0	0	545	18	0	50	50	0	545	24	7	61	26	6	546
D. more than two hours	0										0						2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	47	0	0	13	62	8	38	0	0	546	47	0	62	38	0	546	36	10	67	18	5	549
B. good	49	0	0	15	68	7	32	0	0	546	49	0	68	32	0	546	47	5	62	27	6	546
C. fair	4	0	0	1	50	1	50	0	0	546	4	0	50	50	0	546	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	33	0	0	10	67	5	33	0	0	547	33	0	67	33	0	547	31	9	65	20	5	548
B. They match some of what I have learned.	58	0	0	19	73	7	27	0	0	546	58	0	73	27	0	546	55	5	63	27	5	546
C. They match just a little of what I have learned.	4	0	0	0	0	2	100	0	0	539	4	0	0	100	0	539	10	3	45	38	14	542
D. There is no match.	4	0	0	0	0	2	100	0	0	539	4	0	0	100	0	539	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	2	0	0	0	0	1	100	0	0	534	2	0	0	100	0	534	16	3	49	32	15	542
B. about the same as my regular schoolwork	61	0	0	17	63	10	37	0	0	546	61	0	63	37	0	546	64	7	63	25	5	547
C. easier than my regular schoolwork	36	0	0	12	75	4	25	0	0	546	36	0	75	25	0	546	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	0										0						10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	51	0	0	13	57	10	43	0	0	545	51	0	57	43	0	545	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	49	0	0	16	73	6	27	0	0	547	49	0	73	27	0	547	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	14	0	0	3	50	3	50	0	0	544	14	0	50	50	0	544	20	10	64	21	5	548
B. 20 minutes to an hour	61	0	0	21	78	6	22	0	0	548	61	0	78	22	0	548	56	7	65	24	5	547
C. less than 20 minutes	9	0	0	0	0	4	100	0	0	538	9	0	0	100	0	538	10	3	52	33	12	543
D. I rarely read at home.	16	0	0	5	71	2	29	0	0	547	16	0	71	29	0	547	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	22	0	0	7	70	3	30	0	0	546	22	0	70	30	0	546	25	3	53	33	11	543
B. six to ten pages	27	0	0	7	58	5	42	0	0	547	27	0	58	42	0	547	26	6	61	26	7	546
C. eleven or more pages	51	0	0	15	65	8	35	0	0	545	51	0	65	35	0	545	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	3	5	3	5	1711	12
	2007-2008	8	13	8	13	1617	12
	2008-2009	1	2	1	2	2119	15
	Cum. Total*	12	7	12	7	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	35	56	35	56	6778	48
	2007-2008	31	49	31	48	7284	52
	2008-2009	22	49	22	49	7046	50
	Cum. Total*	88	52	88	51	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	15	24	15	24	3884	28
	2007-2008	20	32	20	31	3341	24
	2008-2009	18	40	18	40	3193	23
	Cum. Total*	53	31	53	31	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	9	15	9	15	1683	12
	2007-2008	4	6	5	8	1778	13
	2008-2009	4	9	4	9	1638	12
	Cum. Total*	17	10	18	11	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	22.2	46.3	22.2	46.3	25.5	53.1
A. Number	18	38	9.1	50.6	9.1	50.6	9.8	54.4
B. Data	10	21	4.2	42.0	4.2	42.0	5.2	52.0
C. Geometry	10	21	4.1	41.0	4.1	41.0	4.7	47.0
D. Algebra	10	21	4.9	49.0	4.9	49.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Monmouth School Department
 School: Monmouth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	45	1	2	22	49	18	40	4	9	542	45	2	49	40	9	542	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	1										1						166	9	43	31	17	543
Caucasian/White	44	1	2	21	48	18	41	4	9	542	44	2	48	41	9	542	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	6	0	0	3	50	2	33	1	17	543	6	0	50	33	17	543	2307	3	32	32	33	536
No	39	1	3	19	49	16	41	3	8	542	39	3	49	41	8	542	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	45	1	2	22	49	18	40	4	9	542	45	2	49	40	9	542	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	15	0	0	5	33	9	60	1	7	540	15	0	33	60	7	540	5731	7	46	29	18	542
No	30	1	3	17	57	9	30	3	10	543	30	3	57	30	10	543	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	45	1	2	22	49	18	40	4	9	542	45	2	49	40	9	542	13988	15	50	23	12	547
Gender																						
Female	25	0	0	10	40	11	44	4	16	538	25	0	40	44	16	538	6889	14	51	23	12	546
Male	20	1	5	12	60	7	35	0	0	547	20	5	60	35	0	547	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	1	11	8	89	0	0	538	9	0	11	89	0	538	1918	3	39	36	22	539
No	36	1	3	21	58	10	28	4	11	543	36	3	58	28	11	543	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	45	1	2	22	49	18	40	4	9	542	45	2	49	40	9	542	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	100	0	0	0	0	550	2	0	100	0	0	550	4	8	38	26	28	539
B. less than one hour	80	1	3	17	47	15	42	3	8	542	80	3	47	42	8	542	70	15	52	23	10	547
C. one to two hours	18	0	0	4	50	3	38	1	13	539	18	0	50	38	13	539	24	15	51	23	11	547
D. more than two hours	0										0						2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	1	8	7	58	4	33	0	0	547	27	8	58	33	0	547	34	28	50	14	8	552
B. good	42	0	0	11	58	6	32	2	11	542	42	0	58	32	11	542	45	11	54	24	10	546
C. fair	31	0	0	4	29	8	57	2	14	537	31	0	29	57	14	537	18	3	45	33	19	540
D. poor	0										0						3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	40	1	6	9	50	7	39	1	6	545	40	6	50	39	6	545	38	22	52	19	7	550
B. They match some of what I have learned.	49	0	0	12	55	9	41	1	5	542	49	0	55	41	5	542	48	12	53	24	11	546
C. They match just a little of what I have learned.	11	0	0	1	20	2	40	2	40	529	11	0	20	40	40	529	11	6	40	30	24	540
D. There is no match.	0										0						3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	27	0	0	4	33	7	58	1	8	537	27	0	33	58	8	537	17	7	42	30	21	540
B. about the same as my regular schoolwork	55	0	0	12	50	9	38	3	13	541	55	0	50	38	13	541	64	15	53	23	10	547
C. easier than my regular schoolwork	18	1	13	6	75	1	13	0	0	551	18	13	75	13	0	551	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	7	0	0	1	33	2	67	0	0	541	7	0	33	67	0	541	7	6	39	27	27	539
B. 30–45 minutes	60	0	0	16	59	8	30	3	11	542	60	0	59	30	11	542	28	9	49	28	15	544
C. 45–60 minutes	24	1	9	4	36	5	45	1	9	543	24	9	36	45	9	543	41	17	53	21	9	548
D. more than 60 minutes	9	0	0	1	25	3	75	0	0	538	9	0	25	75	0	538	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	0										0						6	14	43	24	20	543
B. two or three days a week	2	0	0	0	0	1	100	0	0	534	2	0	0	100	0	534	24	17	52	21	10	548
C. two or three times each month	22	1	10	4	40	4	40	1	10	543	22	10	40	40	10	543	33	17	52	21	9	548
D. never or almost never	76	0	0	18	53	13	38	3	9	542	76	0	53	38	9	542	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	20	0	0	5	56	3	33	1	11	539	20	0	56	33	11	539	23	13	47	26	15	545
B. two or three days a week	13	1	17	3	50	2	33	0	0	546	13	17	50	33	0	546	31	17	52	21	10	548
C. two or three times each month	31	0	0	10	71	3	21	1	7	544	31	0	71	21	7	544	27	17	52	21	10	548
D. never or almost never	36	0	0	4	25	10	63	2	13	539	36	0	25	63	13	539	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	1	2	1	2	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	27	60	27	60	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	13	29	13	29	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	4	9	4	9	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	29.2	60.8	29.2	60.8	29.2	60.8
D. The Physical Setting	24	50	12.9	53.8	12.9	53.8	12.9	53.8
E. The Living Environment	24	50	16.4	68.3	16.4	68.3	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: Monmouth School Department
 School: Monmouth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	45	1	2	27	60	13	29	4	9	543	45	2	60	29	9	543	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	1										1						167	1	40	37	22	539
Caucasian/White	44	1	2	26	59	13	30	4	9	543	44	2	59	30	9	543	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	6	0	0	4	67	1	17	1	17	541	6	0	67	17	17	541	2309	2	29	39	29	536
No	39	1	3	23	59	12	31	3	8	543	39	3	59	31	8	543	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	45	1	2	27	60	13	29	4	9	543	45	2	60	29	9	543	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	15	0	0	9	60	4	27	2	13	541	15	0	60	27	13	541	5729	2	42	37	20	539
No	30	1	3	18	60	9	30	2	7	544	30	3	60	30	7	544	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	45	1	2	27	60	13	29	4	9	543	45	2	60	29	9	543	13987	4	51	31	13	543
Gender																						
Female	25	1	4	12	48	9	36	3	12	541	25	4	48	36	12	541	6886	4	49	33	14	542
Male	20	0	0	15	75	4	20	1	5	546	20	0	75	20	5	546	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	4	44	5	56	0	0	542	9	0	44	56	0	542	1917	1	31	41	28	536
No	36	1	3	23	64	8	22	4	11	543	36	3	64	22	11	543	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	45	1	2	27	60	13	29	4	9	543	45	2	60	29	9	543	13545	4	51	32	13	543

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: Monmouth School Department
School: Monmouth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	100	0	0	0	0	548	2	0	100	0	0	548	4	2	37	35	25	538
B. less than one hour	80	1	3	23	64	9	25	3	8	544	80	3	64	25	8	544	70	4	53	31	12	544
C. one to two hours	18	0	0	3	38	4	50	1	13	539	18	0	38	50	13	539	24	5	51	31	12	544
D. more than two hours	0										0						2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	31	0	0	9	64	2	14	3	21	539	31	0	64	14	21	539	26	7	56	26	11	545
B. good	58	1	4	17	65	8	31	0	0	546	58	4	65	31	0	546	53	4	53	31	11	544
C. fair	11	0	0	1	20	3	60	1	20	535	11	0	20	60	20	535	18	2	41	39	17	540
D. poor	0										0						3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	40	0	0	13	72	3	17	2	11	543	40	0	72	17	11	543	23	5	56	28	11	544
B. They match some of what I have learned.	44	1	5	11	55	7	35	1	5	543	44	5	55	35	5	543	48	5	52	31	12	544
C. They match just a little of what I have learned.	13	0	0	3	50	2	33	1	17	542	13	0	50	33	17	542	23	4	49	33	14	543
D. There is no match.	2	0	0	0	0	1	100	0	0	532	2	0	0	100	0	532	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	19	0	0	5	63	2	25	1	13	543	19	0	63	25	13	543	23	5	48	31	16	543
B. about the same as my regular schoolwork	57	1	4	14	58	7	29	2	8	542	57	4	58	29	8	542	58	4	52	32	12	543
C. easier than my regular schoolwork	24	0	0	5	50	4	40	1	10	543	24	0	50	40	10	543	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	7	0	0	3	100	0	0	0	0	547	7	0	100	0	0	547	33	5	51	31	14	543
B. a few times a week	89	1	3	22	56	12	31	4	10	543	89	3	56	31	10	543	45	4	52	32	11	544
C. once a week	5	0	0	2	100	0	0	0	0	545	5	0	100	0	0	545	8	4	50	30	16	542
D. a few times a month	0										0						15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	20	0	0	4	44	5	56	0	0	543	20	0	44	56	0	543	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	50	1	5	14	64	5	23	2	9	544	50	5	64	23	9	544	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	11	0	0	4	80	1	20	0	0	547	11	0	80	20	0	547	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	18	0	0	4	50	2	25	2	25	537	18	0	50	25	25	537	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	67	1	3	16	53	10	33	3	10	543	67	3	53	33	10	543	47	4	51	32	12	543
B. a few times a month	11	0	0	3	60	1	20	1	20	541	11	0	60	20	20	541	27	5	54	30	11	544
C. once a month	11	0	0	4	80	1	20	0	0	546	11	0	80	20	0	546	10	5	49	30	15	543
D. never or almost never	11	0	0	4	80	1	20	0	0	544	11	0	80	20	0	544	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	50	0	0	12	55	7	32	3	14	541	50	0	55	32	14	541	46	4	52	32	12	543
B. a few times a month	32	0	0	8	57	5	36	1	7	542	32	0	57	36	7	542	28	5	53	30	12	544
C. once a month	2	0	0	0	0	1	100	0	0	536	2	0	0	100	0	536	11	4	47	34	15	542
D. never or almost never	16	1	14	6	86	0	0	0	0	551	16	14	86	0	0	551	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

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